

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	HEMECRAFT Create 335
1.2. Relevant identified uses of the substance or mixture and uses advised against	Food ingredient
1.3. Details of the supplier of the safety data sheet	The relevant Ingredion EMEA Company which invoices for the Product – please see Section 16
E-Mail Address	elizabeth.fawkes@ingredion.com
1.4. Emergency telephone number	EMERGENCY TELEPHONE: +32 3 575 5555

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]	This product is not classified as hazardous according to (EC) No. 1272/2008
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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard Statements	Not Applicable
Supplemental Hazard information (EU)	No Supplemental Hazard Information available

2.3. Other hazards

DUST	Nuisance dust with a possibility of dust explosion.
EYE	Particulates may scratch eye surfaces and cause mechanical irritation.
SKIN CONTACT	Low order of toxicity.
INHALATION	This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m ³ .
INGESTION	Low oral toxicity.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Name	Percentage (%)	CAS number	Reach Registration No.	Classified in accordance with (EC) No. 1272/2008



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This product is not classified as hazardous				
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See Section 16 for full text of hazard statements.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air. Get medical attention if irritation persists.
Eye contact	Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. If symptoms develop, obtain medical attention.
Skin contact	Wash skin with soap and water.
Ingestion	None required.
Self-protection of the first aider	Not available

4.2. Most important symptoms and effects, both acute and delayed

Symptom	Possible physical irritant from dust particles.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes to the physician	No further first aid information is available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry Chemical CO2 Water Fog Foam
Unsuitable Extinguishing Media	None known.

5.2. Special hazards arising from the substance or mixture

Fire and/or Explosion Hazards	Minimum ignition temperature of dust cloud- approx. 390°C. Minimum explosive concentration- approx. 70 mg/l. Minimum energy to ignite cloud by electrical spark- approx. 0.06 joules.
Hazardous Combustion Products	This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

5.3. Advice for firefighters

Fire Fighting Methods and Protection	No special procedures are required.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency	Non-emergency personnel should be kept clear of the area.
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personnel
For emergency responders Use personal protective equipment as required.

6.2. Environmental precautions Not available

6.3. Methods and material for containment and cleaning up Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.

6.4. Reference to other sections See Section 8 for appropriate personal protective equipment. See Sections 2 and 7 for additional information on hazards and precautionary measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Normal precautions for handling chemicals are applicable.

7.2. Conditions for safe storage, including any incompatibilities Ambient.

Special Sensitivity: Not available

Sensitivity to Mechanical No

Impact:

Sensitivity to Static Yes

Electricity:

Other precautions: Use care to minimise dust generation in normal use conditions. Avoid dispersing the powder in the air. Prevent build-up of powder on surfaces. Mechanical handling of the powder on inadequately grounded equipment can result in static electrical discharges.

Materials to avoid: None known.

7.3. Specific end use(s) Food ingredient

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits (TWA)

COMPONENT	EXPOSURE LIMITS	EC INDICATIVE OCCUPATIONAL EXPOSURE LIMIT VALUES
Starch	10 mg/m ³ TWA (total inhalable) 4 mg/m ³ TWA (respirable)	Not available

8.2. Exposure controls

Appropriate Engineering controls

General.

Personal protective equipment

- Eye protection:	Wear safety glasses with side shields. Personal eye protection should conform to EN 166.
- Skin protection:	
- Hand protection:	Gloves are recommended due to possible irritation. Gloves should conform to EN 374.
Other skin protection:	Not applicable.
Respiratory Protection:	Use approved dust mask. Dust masks should conform to EN 149.
Other Protective Equipment:	Wash before eating, drinking, or using toilet facilities.
General Hygiene Conditions:	Not available
- Thermal hazards	Not available
Environmental exposure controls	Not available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Powder.
Colour	off-white
Odour	Starch odour.
Odour threshold	Not available
pH	Not available
Melting point / Freezing point (°C)	Not available
Initial boiling point and boiling range	Not available
Flash point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	No
Upper Flammable/Explosive Limit, % in air	Not applicable
Lower Flammable/Explosive Limit, % in air	Not applicable
Vapour pressure at 50°C (kPa)	Not applicable
Vapour density	Not applicable
Relative Density	Not available
Relative Density at 20° C	1.5
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	Not applicable

Auto-ignition temperature	Not available
Decomposition temperature	Not determined.
Viscosity	Not applicable
Explosive Properties	Not applicable
Oxidising Properties	Not applicable

9.2. Other information

Solids	Not available
Volatiles	None
Volatile Organic Compounds	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity	Not expected to be reactive
10.2. Chemical stability	Material is stable under normal temperatures and pressures.
10.3. Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4. Conditions to avoid	None known.
10.5. Incompatible materials	None known.
10.6. Hazardous decomposition products	This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity;
Not available

Skin corrosion/irritation;
Low order of toxicity.
Based on available data, the GHS classification criteria are not met.

Serious eye damage/irritation;
Particulates may scratch eye surfaces and cause mechanical irritation.
Based on available data, the GHS classification criteria are not met.

Respiratory or skin sensitization;
Not available

Germ cell mutagenicity;
Not available

Carcinogenicity;
Not available

Reproductive toxicity;
Not available

STOT-single exposure;
Not available

STOT-repeated exposure;
Not available

Aspiration hazard;
Not available

SECTION 12: Ecological information

12.1. Toxicity	No information available.
12.2. Persistence and degradability	No data available
12.3. Bioaccumulative potential	Unknown.
12.4. Mobility in soil	Unknown.
12.5. Results of PBT and vPvB assessment	Not available
12.6. Other adverse effects	No data available
12.7. Additional Information	Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste Disposal Methods:	Waste disposal should be in accordance with existing Community, National and local regulations.
Empty Container Warnings:	Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

SECTION 14: Transport information

IATA CLASSIFICATION	Not classified as dangerous.
14.1. UN number	Not Applicable
14.2. UN proper shipping name	Not Applicable
14.3. Transport hazard class(es)	Not Applicable
14.4. Packing group	Not Applicable

IMDG CLASSIFICATION Not classified as dangerous.

14.1. UN number Not Applicable

14.2. UN proper shipping name Not Applicable

14.3. Transport hazard class(es) Not Applicable

14.4. Packing group Not Applicable

ADR/RID Not classified as dangerous.

14.1. UN number Not Applicable

14.2. UN proper shipping name Not Applicable

14.3. Transport hazard class(es) Not Applicable

14.4. Packing group Not Applicable

14.5. Environmental hazards Not available

14.6. Special precautions for user Not available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EINECS Unknown.

SPECIFIC PROVISIONS Not available

15.2. Chemical safety assessment No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Abbreviations and acronyms No data available

Key literature references and sources for data No data available

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Not available	Not available



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Section 3 H Phrase(s) Not available
For regulatory information, Contact: elizabeth.fawkes@ingredion.com
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Products are manufactured in accordance with EU Law, unless expressly agreed to otherwise, in writing, by the relevant Ingredion company referred to below. The information on the safety data sheets is provided for the purposes of a general health and safety assessment by an industrial user (the "User"). Reference should also be made by the User, to any other specific relevant local or national health, safety, environmental or other applicable legislation, including any import or export regulations relevant to the country in which the User operates - the User will need to check this information for itself. The information provided by the relevant Ingredion company referred to below, does not constitute indication of suitability for specific uses, nor is it legal advice given to the User.

This document is issued on behalf of the Ingredion EMEA Company which is the Supplier invoicing for the Product. The respective details of each of the relevant Supplier companies are as follows:

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